ಎಂ.ಆರ್ ನಂ. B

499101

ಅಭಿಯಂತರರು
ಪುರ ವಿಭಾಗ
ಬೆಂಗಳೂರು

Premeasurements:

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. First/Final bill:-

Name of Work Drilling of borewells and providing water to pipe line in ward 7 - Byal..

Name of Contractor of nature of Agency - arayanapura

Date of commencement of work ಶ್ರೀ. ಶ್ರೀ. A. Puttaraju

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est cost:-	20.00 lakhs					
	Job code:-	007-19-000022					
	Head of account:	P3293					
	A.S.NO:-	AS/CE(Y NK)/176/18-19; dt: 09.01.19					
	T.S.NO:-	TS/EE(BTP)/120/18-19; dt: 20.02.19					
	Agr no:-	No. BBMP/EE/BTP/Agr/11/19-20; dt: 06.05.19					
	Work order no:-	No. BBMP/EE/BTP/WO/11/19-20; dt: 06.05.19					
	Approved tender price:-	17820	11.85				

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
n	100mm nominal bore gun-		
	- = 4.00 Mts		Actually as per Method

M. A. R. 57 (Rule 116)
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No. B

499107

Serial No. MAIN-BILL:-

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 01:- Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS of those by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe around, as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page no. 499101 →		2nos.				
	At the rate of Rs. 1938.00 →						3876.00
	Item No. 02:- Sinking borewell of 165mm dia clear using super jet hydraulic rig of capacity 250 PSIG and above CFM & above in all strata including over borden upto 20mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour.,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Qty vide page no.	49
		2x
3)		2x
4)		2x
5)		2x5
6)		2x
7)		2x

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
			3876.00
lear using super fast			
above CFM & above in all			
fixing of casing pipes,			
threading and welding			
upporting vehicles, crew			
complete including yield			
working of compressor			

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No. B

499103

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no.	499101	-102 →				
		1x50	@ 315.00 →				31500.00
3)		1x50	@ 412.00 →				41200.00
4)		1x50	@ 458.00 →				45800.00
5)		1x50	@ 484.00 →				48400.00
6)		1x50	@ 560.00 →				56000.00
7)		2x20	@ 600.00 →				24000.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
36)		2x30	@ 599.71 →				35982.60
37)		2x50	@ 639.83 →				63983.50
38)		1x50	@ 639.83 →				31991.50
		1x45	@ 639.83 →				28792.35

Item No.08:- Supply of ISI marks 175mm nominal bore, plain end steel casing pipe grade of steel fe410 of wall, thickness 5.4mm th, confirming to IS and latest amendments, electric resistance welded steel tube material and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7m, both ends threaded confirming and other end with screwed pipes. All pipes shall be reasonably free from defects.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	Qty vide page no. 4991	
	At the rate of Rs. 1364	
	Item No.09:- Providing 300mm	
	Qty vide page no. 499	
	At the rate of Rs 1144	
	Item No.11:- Supplying and	
	borewell of 165mm dia	
	and satisfied.)	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
→		35982.60
→		63983.00
→		31991.50
→		28792.35

al bore, plain end steel casing
5.4mm th, conforming to IS
welded steel tube material
electric or basic oxygen
ends threaded conforming
pipes shall be reasonably

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No. B

499109

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no. 499103 →		110.0m				
	At the rate of Rs. 1364.0 →						150040.00
	Item No. 09:- Providing 200mm dia PVC pipe 10kg/cm².						
	Qty vide page no. 499103 →		90m				
	At the rate of Rs 1144.0 →						102960.00
	Item No. 11:- Supplying and delievery of sub-mersible pompset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page no. 499103 →		2 nos				
	At the rate of Rs. 67724.0 →						135448.00
	Item No.12:- Providing and fixing in galvanised mild steel tubes. 50mm dia nominal bore with all fittings including cost of all materials.,						
	Qty vide page no. 499104 →		750.0 m				
	At the rate of Rs. 457.0 →						342750.00
	Item No.13:- Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper conductor and virgin grade PVC insolation and sheathed						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	suitable for working
	Qty vide page no.
	At the rate of Rs. 1
	Item No.39:- Earthworks e
	sanitary lines and ele
	in width, in hard soi
	bottom and sides of p
	from edges of excavati
	complete.,

K

epth 6	Contents 7	Reference to last Measurement 8
		135448·00
ild	steel tubes . 50mm dia	
st	of all materials.;	
		342750·00
lat	PVC sheathed	
elec	trolytic grade	
ation	and sheathed	

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No. B

499110

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	suitable for working voltage upto 1100 volts.,						
	Qty vide page no. 499104 →			1800·00m			
	At the rate of Rs. 188·00 →						338400·00
	Item No. 39:- Earthworks excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1·5m & above in width, in hard soil not exceeding 1·5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page no. 499105 → 7.20 cum						
	At the rate of Rs. 305.24 →						2197.73
	Item No. 40:- Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / waving or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, with 16mm water dia.;						
	Qty vide page no. 499105 → 40.0m						
	At the rate of Rs. 1563.96 →						62558.40

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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Item No. 41:- Refilling available e exceeding 20cms in depth, ec after watering with head u all labour complete as per Qty vide page no. 499106 At the rate of Rs. 81.9	
	Item No. 43:- Providing and mix 1:3:6 with OPC cement granite metal coarse agg	

BOOK

...ons		Contents	Reference to last Measurement
...readth 5	Depth 6	7	8
...um)			2197.73
...ceiling and floor unplasticised ...esive chemp plast / waving or ...all dips, making good the ...of all materials, with 160mm water			
			62558.40

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No. B

499112

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item.NO.41:- Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications.						
	Qty vide page no. 499106 →		6.40 cum				
	At the rate of Rs. 81.97 →						524.61
	Item.NO.43:- Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	e o·465 cum machine fixed, concrete laid in layers not exceeding 15cms th, well compacted in foundation including cost of all materials, labour, HOM of machinery, curing complete.,						
	Qty vide page no. 499106 →		1.80 cum				
	At the rate of Rs. 5442.60 →						9796.68
	Item NO:42:- Providing and fixing in position 150mm nominal bore gunmetal non-return valve horizontal type of approved mate including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.						
	Qty vide page no. 499106 →		4nos				
	At the rate of Rs. 3058.90 →						12235.60

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item NO.10:- Providing and supp specifications and dire
	At the rate of Rs.100
	Item NO.11:- Erection of pum necessary erection mate of one pair supporting nuts, valves guages e

OOK

Depth 6	Contents 7	Reference to last Measurement 8
id in	layers not exceeding	
luding cost of all		
ring complete.,		
		9796.68
150mm nominal bore		
type of approved make		
d HOM of equipments with		
		12235.60

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No. B

Serial No. .....

499113

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.10:- Providing and supplying 175mm dia M.S. cap. etc., complete as per specifications and directions of the Engineer-in-charge.,	1x2	-	-	-	2nos	
	At the rate of Rs.100.0 →						200.00
	Item No.11:- Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewel cap. cable clips with bolts, nuts, valves guages etc, involved in the job.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1x2	-	-	-	= 2 nos	
	At the rate of Rs. 3000.00 →						6000.00
	Item No.15:- Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel.						
		01	45	-	-	= 45.0	
	Muthuraya-swamy temple	01	45	-	-	= 45.0	
						90.0 m	
	At the rate of Rs. 130.0 →						11700.00
	Item No.16:- Supply of non return valve suitable for 50m dia nominal bore galvanized mild steel tube.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate of Rs. 1
	Item No.17:- Supplying of or
	At the rate of Rs.
	Item No.18:- Supply and fu with suitable wires, mounted on a common

T BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
	- =	2 nos	
			6000·00
ed mild steel color suitable			
ged mild steel.			
-	- =	45·0	
-	- =	45·0	
		90·0 m	
			11700·00
table for 50m dia nominal			

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No. B

499114

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1x2	-	-	- =	2nos	
	At the rate of Rs. 1409·00 →						2818·00
	Item No.17:- Supplying of on load changes.,						
		1x2	-	-	- =	2nos	
	At the rate of Rs. 9845·00 →						19690·00
	Item No.18:- Supply and fully automatic star delta unit 'push botton type with suitable wires, 3 contactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	on 440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP.	1X2	-	-	-	= 2nos	
	At the rate of Rs. 5665.0 →						11330.00
	Item No.19:- Erection of single phase preventor ammeters including fixing selector switch current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3Nos.	1X2	-	-	-	= 2nos	
	At the rate of Rs. 1500.00 →						3000.00

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Item No.20:- fabricating, supply of 18 SWG suitable for floor standed top as per drawing provided with hinged front arrangements, with suitab pipe with gland and box	1X2
	At the rate of Rs.	7866

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		to the existing wooden	
		= 2nos	11330.00
		for ammeters including	
		ed earth leakage	
		cuit breaker above 100A	
		= 2nos	3000.00

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No. B

499115

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item NO.20:- fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor/wall mounting, fully weather proof with double slanded top as per drawing with provision for heather heat diessipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour.)	1x2	-	-	-	= 2nos	
	At the rate of Rs.	7866.00 →					15732.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.21:- Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required 32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc.,						
		1x2	-	-	-	= 2nos	
	At the rate of Rs. 2090.0 →						4180.00
	Item No.23:- Supplying and running of 6# copper strips or grounding connections using necessary fixing materials required. plate:						
		1x2	-	-	-	= 2nos	
	At the rate of Rs. 1072.00 →						2144.00

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Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Item No.23:- Supplying and fixin existing wooden/panel using	1x6 1x6
	At the rate of Rs. 201.0	
	Item No.24:- Fabrication sup for floor/wall mounting, t heat dissipation, provided	

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		rcuit breakers/isolators on	
		necessary fixing materials	
		63 amps triple pole with all	
		d labour charges etc.,	
		- = 2nos	4180.00
		ber strips or grounding	
		aterials required. plate:	
		- = 2nos	
			2144.00

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No. B

499116

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item.NO.23:- supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc.,	1x6	-	-	-	= 6.0	
		1x6	-	-	-	= 6.0	
						12nos	
	At the rate of Rs.	201.00	→				2412.00
	Item.NO.24:- Fabrication supplying and mounting for floor/wall mounting, fully weather proof heat dissipation, provided with hinged front	MS box of 16 SWG suitable with provision for better cover, equipped with					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	tamper proof locking arrangements.,						
		2	40.0	95.0	-	= 7600.00	
		2	90.0	110.0	-	= 19800.00	
	Muthuraya-swamy temple	2	40.0	95.0	-	= 7600.00	
	Near Amruthahalli lake.	2	90.0	110.0	-	= 19800.00	
						54800.00 cm	
	At the rate of Rs. 0.33 →						18084.00
	Item No.25:- supplying and delievery at site brand new star/ Essen/ lotus/ sun-shine, best indigenous make combined energy meter- cum- control panel board unit of size 600 x 450 x 200mm minimum mechanically strong vermin & water proof.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate of Rs
	Item No.26:- Providing and
	of approved quality (
	materials, labour a
	At the rate of R

OK

Depth 6	Contents 7	Reference to last Measurement 8
-	= 7600.00	
-	= 19800.00	
-	= 7600.00	
-	= 19800.00	
	54800.00 cm	18084.00

brand new star|
s make combined
nit of size 600 x 450 x 200mm
ater proof.

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No. B

499117

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1x2	-	-	-	= 2nos	
	At the rate of Rs. 10000.00 →						20000.00
Item No. 26:-	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of materials, labour and HOM of equipments with all leads complete.,						
		1x2	-	-	-	= 2nos	
	At the rate of Rs. 1843.00 →						3686.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.No.27:- Supplying of LT UG cable having aluminium conductor PVC insulated sheathed, galvanised steel, wire/steel tap armoured cable with PVC outer sheathing.						
		1x30	-	-	-	= 30.0	
		1x30	-	-	-	= 30.0	
						60.0 m	
	At the rate of Rs. 140.0 →						8400.00
	Item.No.28:- labour charges for laying of 1.1 KV class UG cable.						
		1x30	-	-	-	= 30.0	
		1x30	-	-	-	= 30.0	
						60.0m	
	At the rate of Rs. 10.0 →						600.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item.No.29:- Digging or... required ground lev...
	At the rate ...
	Item.No.30:- Supplyin... thickness not less ... necessary clampin...

	Contents	Reference to last Measurement
	7	8
	minium conductor	
	, wire / steel tap	
	g.	
	= 30·0	
	= 30·0	
	60·0 m	
		8400·00
	UG cable.	
	= 30·0	
	= 30·0	
	60·0 m	
		600·00

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No. B

499118

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item. No. 29:- Digging or trenching of 0.6m deep x 0.5m wide refilling the trench to the required ground level.						
		1 x 30	-	-	-	= 30·0	
		1 x 30	-	-	-	= 30·0	
						60·0 m	
							7020·00
	At the rate of Rs. 117·0 →						
	Item. No. 30:- Supplying and fixing of class 'D' (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / wall / drain crossing with necessary clamping arrangements for UG cable.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1X2	5.0	-	-	= 10.00 mtr	
	At the rate of Rs. 345.00 →						3450.00
	Item No.31:- supplying and fixing 4.7. cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bitomen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,	1X2	-	-	-	= 2.00 no	
	At the rate of Rs. 280.0 →						560.00

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Item No.32:- Cutting the roa	
	of the excavated stuff as	
	lighting etc. in following.,	
		1X1
		1X1
	At the rate of Rs. 72	
	Item No.33:- providing and	
	required depth for subs	

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
-	-	= 15.00 mtr	3450.00
-	-	= 2.00 mtr	560.00

- iron pot head suitable for
necessary bitomen insulating
, clamps, bolts, nuts and

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No. B

499119

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 32:- Cutting the road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc. in following., cutting in cement concrete road surface.,						
		1x15	25.0	0.30	0.20	= 0.90	
		1x1	15.0	0.30	0.20	= 0.90	
						1.80 cum	
	At the rate of Rs. 727.0 →						1308.60
	Item No. 33:- providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming the						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with lead upto 50m and lift upto 1.5m complete.						
		1.0	15.0	0.20	0.10	= 0.30	
		1.6	15.0	0.20	0.10	= 0.30	
						0.60 cum	
	At the rate of Rs. 2183.00 →						1309.80
	Item No. 34:- Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, th well compacted, in foundation plinth and cills including cost of all materials, labour, HOM.,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate of Rs.
	Item No. 35:- Providing an thermal stability for and brass treaded f

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
		omplete.	
		0·10 = 0·30	
		0·10 = 0·30	
		0·60 cum	1309.80
		ition plain cement	
		gs, with 20mm and down	
		gregates @ 0·878 cum	
		hine mixed, concrete laid	
		ompacted, in foundation	
		aterials, labour, HOM.,	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

499120

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		01	15·0	0·30	0·15	= 0·68	
		01	15·0	0·30	0·15	= 0·68	
						1·35 cum	7758.45
	At the rate of Rs. 5747·0 →						
	Item No. 35:- Providing and fixing cPVC piper confirming to IS 15778, having thermal stability for hot and cold water supply including all cPVC plain and brass treaded fittings including fixing the pape with clamp.,						
		01	15·0	-	-	= 15·0	
		01	15·0	-	-	= 15·0	
						30·0 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Eg Item No.44:- Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.67 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms, th well compacted in foundation, plinth and cills, including cost of all materials.						
		01	40.0	0.30	0.15	= 1.80 cum	
	At the rate of Rs. 5868.64 →						1056 3.55

Verified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M. A.
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Bescom charges:- Mariyannapalya: R.R. No:- Receipt No: 652601924813 - 0 Receipt No: 505558014680 - 2 Receipt No: 505558031187 - 1	

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		plain cement concrete of mix and down size graded 7 cum and fine aggregates laid in layers not exceeding n, plinth and cills,	
30	0.15 =	1.80 cum	10563.55

M. A. R. 57 (Rule 116)
Measurement Book

No. B

499121

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Bescom charges:-						
	Mariyannapalya: R.R. NO:-					Amruthalli lake: R.R.NO:-	
	Receipt NO: 652601924813 - 9140.00					505555086764 - 9140.00	
	Receipt NO: 505558014680 - 2020.00					505555031892 - 182	
	Receipt NO: 505555031187 - 182.00					Total= 20664.00	
						Total= 17,65806.87	
						Arrally. N.D AE(W)	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	1) Certified that contractor has done the works satisfactorily.						
	2) Certified that debris has been removed from work spot.						
	Asstn Ly. N.D AE(W+)						
	Assistant Executive Engineer Kodigehalli Sub Division, Yelahanka Z[illegible], B.B.M.P., Bangalore.						

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of wo

towards K. Lane

Date	Full description, etc
1	2

towards
C. B layout

towards
coffeeboa

Manyanna

T BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		works satisfactorily.	
		d from work spot.	

Assistant Executive Engineer
ub Division,
, B.B.M.P.,
lore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

499122

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

towards R.Lake.

Dasarahalli main road

towards ring road

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	Burial ground	4	5	6	7	8
	towards C.Blayat						
	→ Mother Teresa road.						
	→ MR road.						
	towards coffeboard layout						
	towards Amruthalli						
	Gate						
	Muthyalaya swamy temple.						
	towards Amruthana-gara.						
	⊗ - Borewell location						
	Amruthalli lake						

Maniyannapalya.

Assistant Executive Engineer
Kodigehalli Sub Division.

Amruthalli

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1st & Final							
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-3293 ಠಡಿ		BA 176580-0				
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 176580 ಗಚನ್ನು ಪಾಸು ಮಾಡಿದೆ.		FA 88300-0				
	ಇದರಲ್ಲಿ ರೂ. 159702 ಗಚನ್ನು ಹೊಂದಾಣಿಕೆ		GF 1770-0				
	ಮಾಡಿಕೊಂಡು ರೂ. 16878-0 ಗಚನ್ನು		ಲೇಬರ್ 5766-0				
			ಮೆಟೀರಿಯಲ್ 57660-0				
	FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ		ಇತರೆ 1770-0				
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು		ಒಟ್ಟು 17700-0				
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು		Fine 1200-0				
			LC 1500-0				
			159702-0				
			16878-0				

Serial No. first & final

Name of Work Improvem

Name of Contractor of nature

Date of commencement of wo

Date	Full description, etc
1	2
	Est cost:-
	P-code:-
	A.S No:-
	T.S No:-
	Agr no:-
	Work orders
	Approved ten